



Material Safety Data Sheet

Sodium lauryl ether sulfate 70% (SLES 70%)

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1. Identification of the product and of the company

Product name: Sodium lauryl ether sulfate 70%
Synonym: Sodium Alkyl Ethoxy Sulphate,
Chemical formula: $C_nH_{2n+1}O(CH_2CH_2O)_2SO_3Na$ n=12,14
Recommended use: Household Detergent, floor cleaners, car wash soaps

Company/undertaking identification:
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2. Composition/information on ingredients

Sodium lauryl ether sulfate with approx. 2 moles EO,
70±2 % active substance in water

Declaration of ingredients:
>20% Fatty alcohol ether sulfate, sodium salt

CAS number: 9004-82-4

3. Hazards identification of the product

May cause some irritation to the mouth and upper digestive tract. May cause significant skin irritation especially if exposure is prolonged and/or repeated. Contact with eyes can cause severe irritation. If not washed out promptly, will injure the tissue, and permanent damage may result.

4. First aid measures

after skin contact:
Wash the skin with soap and water. Seek medical attention if skin appears damaged.

after eye contact:
Immediately wash out the eye with plenty of water for at least 15 minutes holding the eye open. Seek medical attention urgently.

after ingestion:
Wash out mouth with water. Do not induce vomiting. Seek medical advice.



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5. Fire-fighting measures

Suitable extinguishing media:
foam, sand, water spray. Avoid using large quantities of water.

Fumes containing carbon dioxide, carbon monoxide and sulfur dioxide may be formed in large fire.

Special protective equipment for firefighters:
self-contained breathing apparatus should be worn.

6. Accidental release measures

Personal precautions:
Avoid contact with skin and eyes. Be very careful because it may make floor very slippery.

Methods of cleaning up/of removing:
Remove with absorbing material (sand, peat, sawdust) and place in plastic barrels for disposal. Do not mix with other waste materials.

Environmental precautions:
Do not allow to flow into drainage system.

7. Handling and storage

Store in plastic, plastic lined or stainless steel, tight closed containers at between 5 and 40 degrees Centigrade. Do not store close to strong oxidizing agents which could aggravate any fire situation.

8. Exposure controls / personal protection

Personal protection:
Hand protection: suitable protective gloves
Eye protection: protective goggles
Skin protection: Protective overalls and shoes/boots recommended.

9. Physical and chemical properties

Appearance: yellowish, smooth paste at ambient temperature
Molecular weight: 384 g/mol
pH(3% aq. Solution at 20°C): 7 - 9
Active matter: 70±2%
Unulfated matter: 2% max
Solubility: soluble in water
Viscosity: 25000 mPa.s

10. Stability and reactivity

If the pH fails an exothermic reaction may occur releasing sulphuric acid.
May react with strong oxidants.



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Decomposition: May start to hydrolyse >50 degC.

11. Toxicological information

Not classified as "Harmful if swallowed". May cause some irritation of the mouth and upper digestive tract. It may produce significant skin irritation after prolonged contact. May cause severe, possibly permanent eye damage.

Acute oral toxicity: LD50 >2000 mg/kg body weight.

12. Ecological information

Ecotoxicity: The product is toxic to aquatic organisms.

Ecological Overview: Not expected to cause significant environment impact.

Persistence / Degradability: This product is readily biodegradable with respect to EC criteria.

Do not release into surface waters.

13. Disposal considerations

waste incineration with the approval of the responsible local authority.

14. Transport information

Not a hazardous material according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR.

15. Regulatory information

Classification and labelling according to GefStoffV:

Symbols of danger:

Xi Irritant

R-phrases:

R 38: Irritating to skin

R 41: Risk of serious damage to eyes

S-phrases:

S 24/25: Avoid contact with skin and eyes

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 28: After contact with skin, wash immediately with plenty of water

S 37/39: Wear suitable gloves and eye/face protection

16. Other information

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.